CHD-CM280H1 Single-door Magnetic Lock User Manual

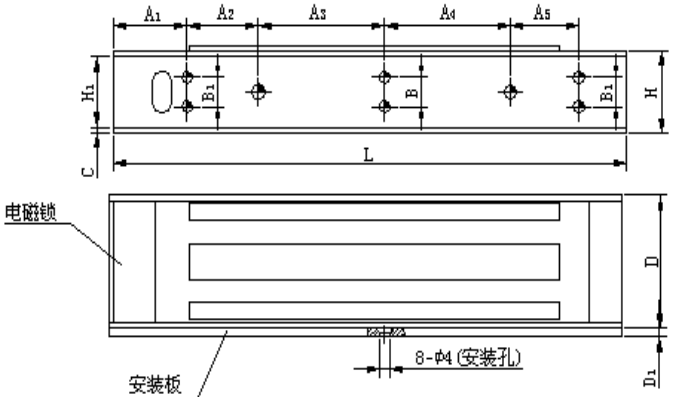
1 Introduction:

Magnetic lock adopts embedded installation with beautiful appearance. Electromagnetic part choose high-quality magnetic materials and special technology processing to achieve that does not produce residual magnetism in long working hours, It use a special wire with anti-acid & alkali, organic solvents and anti-aging, combined with electronics, machinery and mechanical principles of design and production, to achieve low current work, thereby reducing failure rate and repair rate, at the same time, a feedback function. The lock applies to office buildings, residential entrance doors and so on. It features with easy installation and long life.

1.1 Product Introduction

1.1.1 Appearance and Size

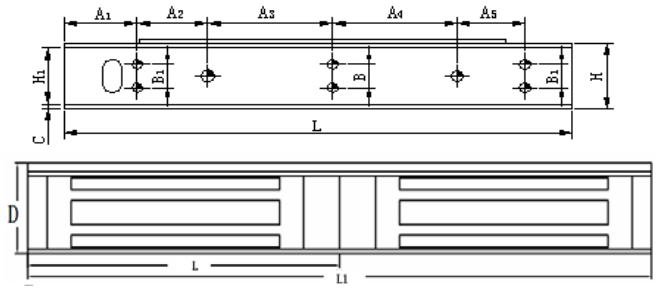
Lock body size：tolerance ±5%



Lock body/unit (MM)			
L	250	H1	25
H	27.5	C	2.25
A1	30	B	11
A2	29	B1	11
A3	51	D	47
A4	51	D1	5
A5	27.8		

Single: Color:Silvery Weight:2Kg±5%

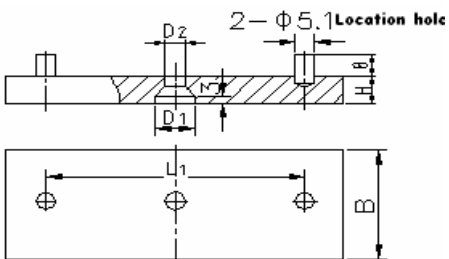
Double：lock body：tolerance ±5%



Lock body/Unit (MM)			
L	250	A5	27.8
L1	500	H1	25
H	27.5	C	2.25
A1	30	B	11
A2	29	B1	11
A3	51	D	47
A4	51		

Color：Silvery Weight：Double 4kg±5%

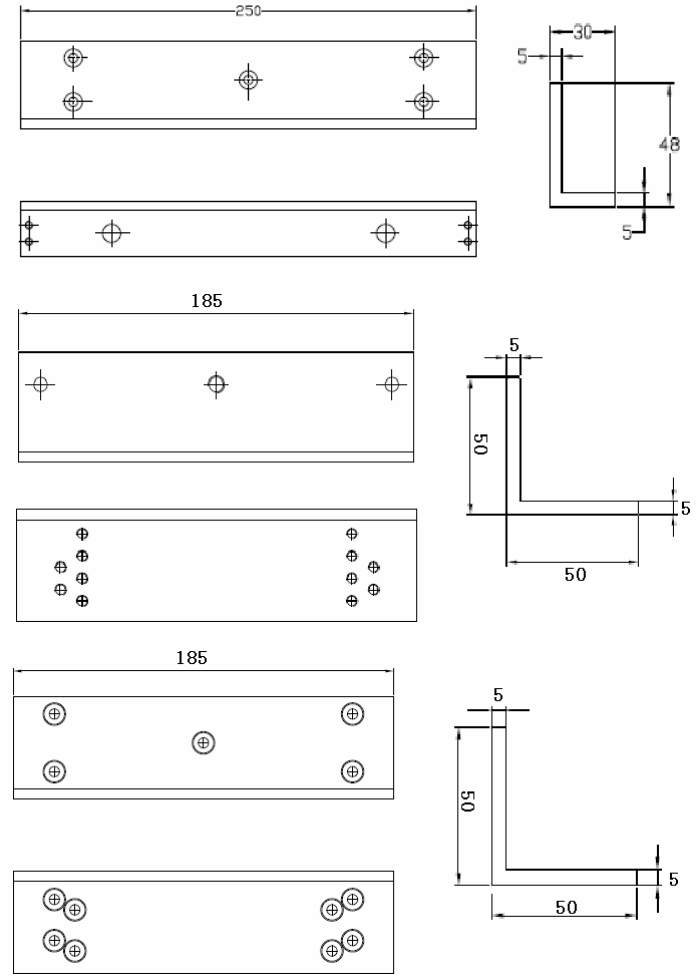
Suction Plates：tolerance ±5%



Suction Plate/Unit （MM）	L	B	H	L1	D1	D2
	180	38	13.3	165	Φ16	ϕ9

Z trestle dimensions: tolerance ±5%

Name	secification(mm)	Single Opening（pc）	Double Opening（pc）
Lock body fixed bracket	250*30*48	1	2
Iron fixed bracket	185*50*50	1	2
Iron fixed bracket base	185*50*50	1	2
Sink cross self-tapping screws	M4*25	12	24
Sink cross machine shreds	M5*12	6	12
Sink Socket head machine shreds	M8*20	1	2



1.2 Technical parameter

Rated working voltage： 12V DC

Input voltage range：10.8VDC-13.2VDC

work electricity：single door：0.48A

double door：0.96A

Minimum electricity supply：single door：800mA/12V DC input

double door：1200mA/12V DC input

Use life：10million time or above

Rated power:：single door≤6.2W

double door≤13W

Rated Pull:single door 270Kg±5Kg

double door 540Kg±5Kg

Door-opening Way: 90degree

Door contact: builit in magnetic door contact output,relay provide dot signal, normal open or normal close way,continuous power on.

Work status:open lock when power off,led lighter shows un-normal door-closing, green lighter shows normal door-closing.

2 Installation

2.1 Environment Requirement

1 No electric conduction dust, no corrosion mental and no destructive insulated gas

2．Avoid to use on the condition of water and foggy

3.Work environment：-10～50 ℃20～90％

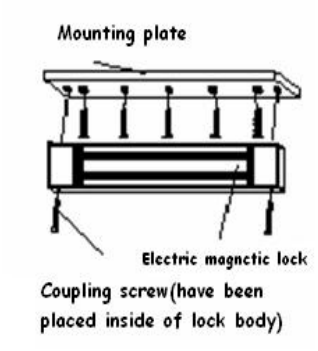
4.Storage environment：-20～60 ℃20～90％

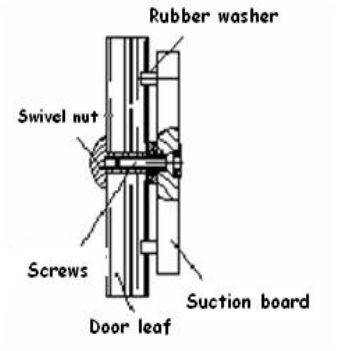
2.2 Check out

Open the package, if there is any damage, please inform the manufacturer immediately, please check the shipping list if everything is full.

2.3 Installation

Picture as below





Installation Notice

Be careful when installation, it will reduce the strength of locked if mangle suction surface of traction iron and lock body.

The lock body of magnetic lock must fasten to the door frame firmly, the traction iron is installed in the door, and the accessories of installation package could make traction iron move around its central axis , to compensate for wear and tear of the door or no a result of error.

Make sure all the screws tightened.

Don't fix the magnetic plate too tightly, there should be appropriate loose suction board position should be to make smoking in a closed-door panels and electronic disk under natural conditions can be fully in line, so that adequate and effective to play a rally.

If the power switch is not connected to the DC output port, the remanence of magnetic lock will not disappear in a long time, and caused the door can not be open immediately when power off.

2.4 Wire Connetion D

Connect access controller through the standard RJ45 to drive the lock

Chart 1,built-in wire connectionTerminal definition of magnetic lock

The 1st terminal	The 2nd terminal	The 3rd terminal	The 4th terminal	The 5th terminal
Power supply +	Power supply -	Door relay No.	Door relay COM	Door Relay NC

Chart 2(RS45 socket signal definition)

No.	Sign	Wire
1	1. ＋	snakeeye
2	2. －	Orange
3	1. ＋	green-and-white
4	2. －	Blue
5	1. ＋	Blue-white
6	2. －	Green
7	3. NO	Door contact Orange-white
8	4. C	GND-Orange

3 Maintenance

1. if need to clear, please use soft cloth to do after power off
2. no professional people, please don't detach

Appendix toxic and harmful substance or element characteristic chart

Name	toxic and harmful substance or element					
	Pb	Hg	Cd	Cr^{6+}	PBB	PBDE
component	×	○	○	○	○	○
O it shows the content of toxic and harmful substance is under SJ/T-11363－2006 rule, X it shows the content of toxic and harmful substance is over SJ/T-11363－2006 rule,						
Emerson is always commiting himself to design and manufacture friendly-environment products, we are trying lastingly ongoing study to reduce and eliminating toxic and harmful substance of products, the following components which contain toxic and harmful is because we couldnot slove subject to the current technical limit.						

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